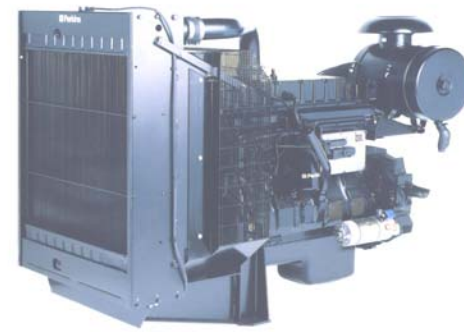


1300 Edi Series-Electropack

- **1500/50 Hertz**, can be wired 3 ways,
(auto or manual, (load share) or stand alone, (isochronous))
- **1800/60Hertz**, can be wired 3 ways
(auto or manual, (load share) or stand alone, (isochronous))
- **1500/1800 Switchable**, can be wired 2 ways
1500 or 1800, Isochronous Only
- **12 Volt and 24 Volt ECM's available.**

If you are not sure of the voltage and the markings have been removed
check PIN 35 to ground 1.4K Ohms – 12 volts / 2.8K Ohms – 24 volts.



@ Perkins

Notes:

On start up for genset applications the ECM automatically determines which speed/load signal 'out of range' (o.o.r.) fault management to use. This is dependant on the wiring configuration it observes

Stand alone (isochronous) operation – APS & RPS inputs are both inactive.

Manual synchronised load sharing – APS input is active, RPS input is inactive.

Automatic synchronised load sharing – APS input is inactive, RPS input is active.

2 way protection is achieved by selecting 3 way protection and 'normally open (plastic tank)' for the CLS type. No connection should then be made to the CLS input.

APS >>>>> PIN 8

RPS >>>>> PIN 30

See next page for adequate wiring diagrams

Stand alone (isochronous)
operation
APS (PIN 8) & RPS (PIN 30)
inputs are both inactive

Attention

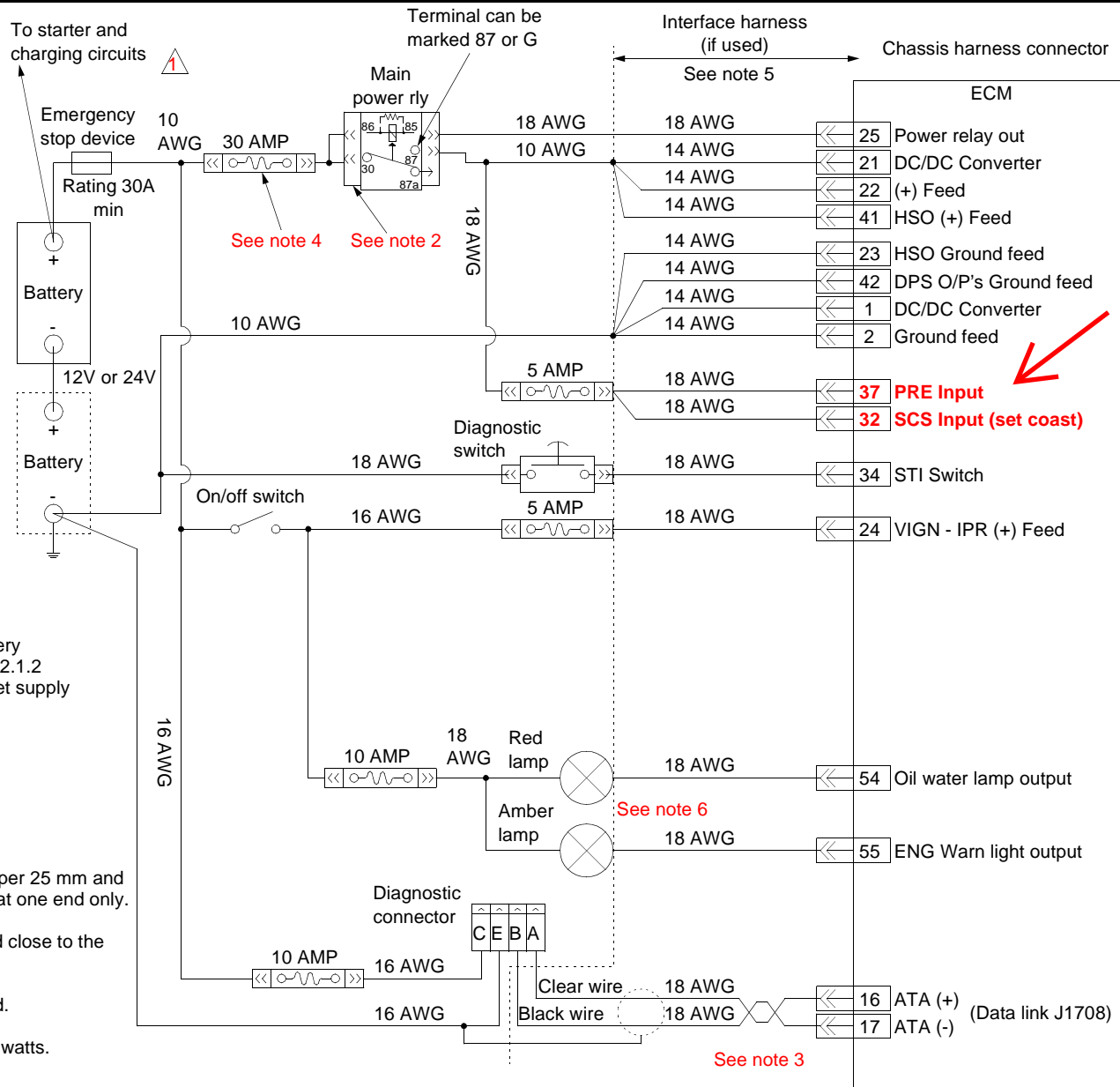


Note: Power supply for ECM must be taken directly from the battery, not the starter motor terminal.


Notes

- 1) Wire sizing:
10AWG (approx. 5mm²) Main feed and return to battery
14AWG (approx. 2mm²) ECM pin Nos 21.22.41.23.42.1.2
16AWG (approx. 1mm²) Ignition and diagnostic socket supply
18AWG (approx. 0.8mm²) All other circuits
- 2) Main Power Relay
12V part no. 1688314C1
(12V alternative part no's. 2848A203)

24V part no. 2848A226
- 3) Where shown, cables must be twisted together (360° per 25 mm and screened to minimise noise effects. Connect screen at one end only.
- 4) All fuses must comply with SAE J1284 and be located close to the battery so as to protect the wiring.
- 5) All unused interface harness cables must be insulated.
- 6) Recommended rating for lamps is between 2 and 2.2 watts.



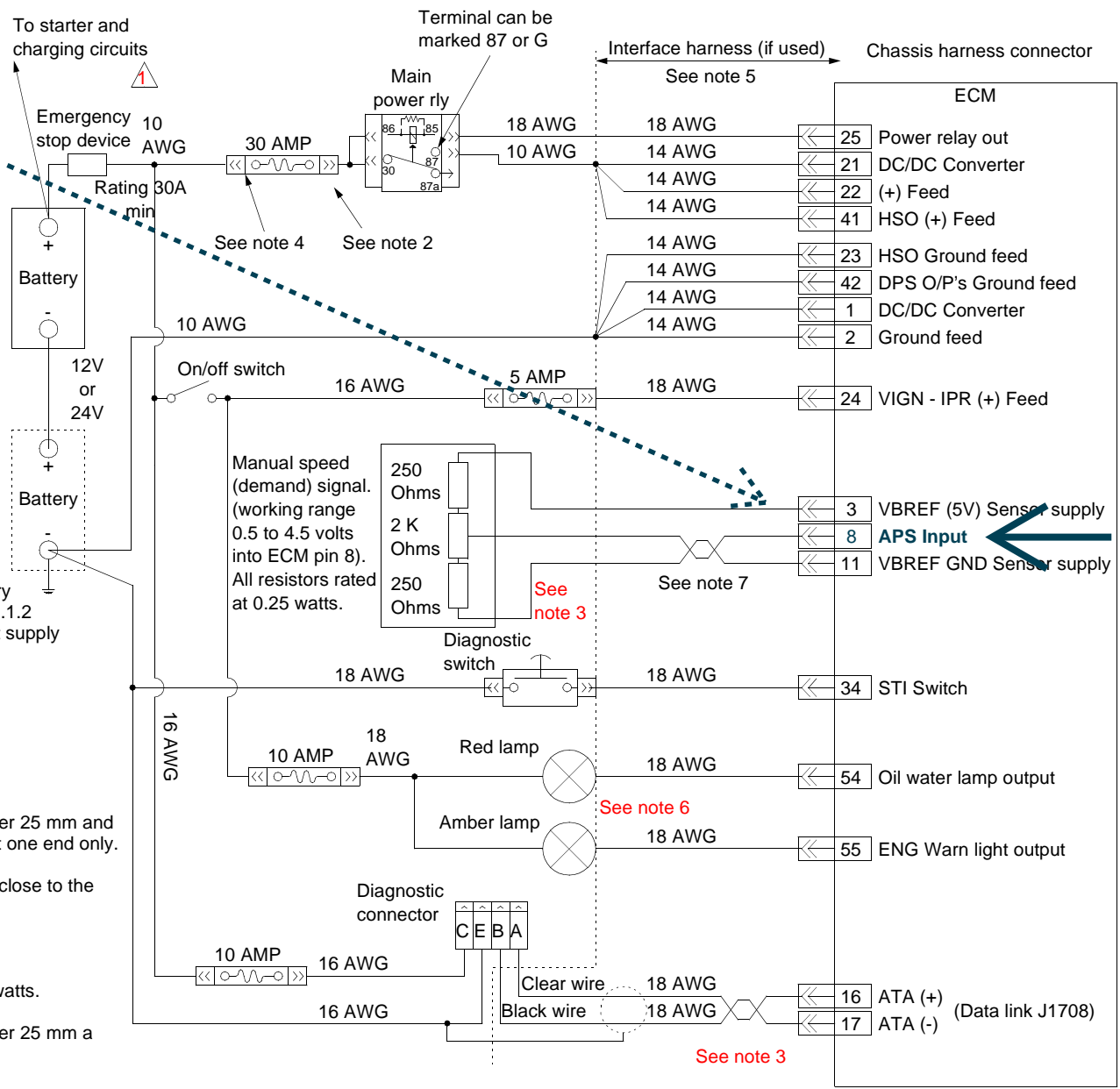
Manual synchronised load sharing
 APS input (PIN 8) is active
 RPS input (PIN 30) is inactive

Attention

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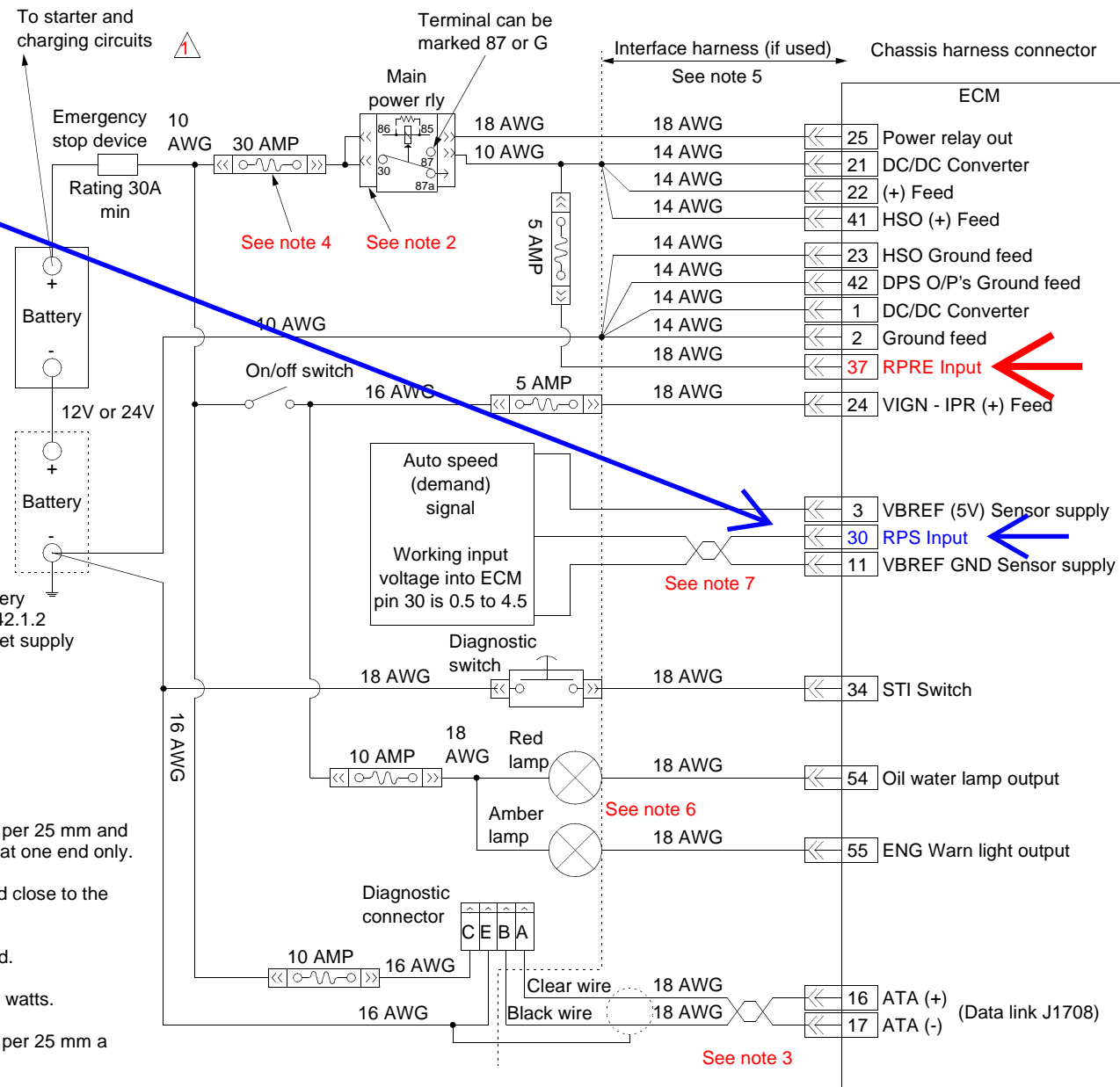
Automatic synchronised load sharing
 APS input (PIN 8) is inactive
 RPS input (PIN 30) is active

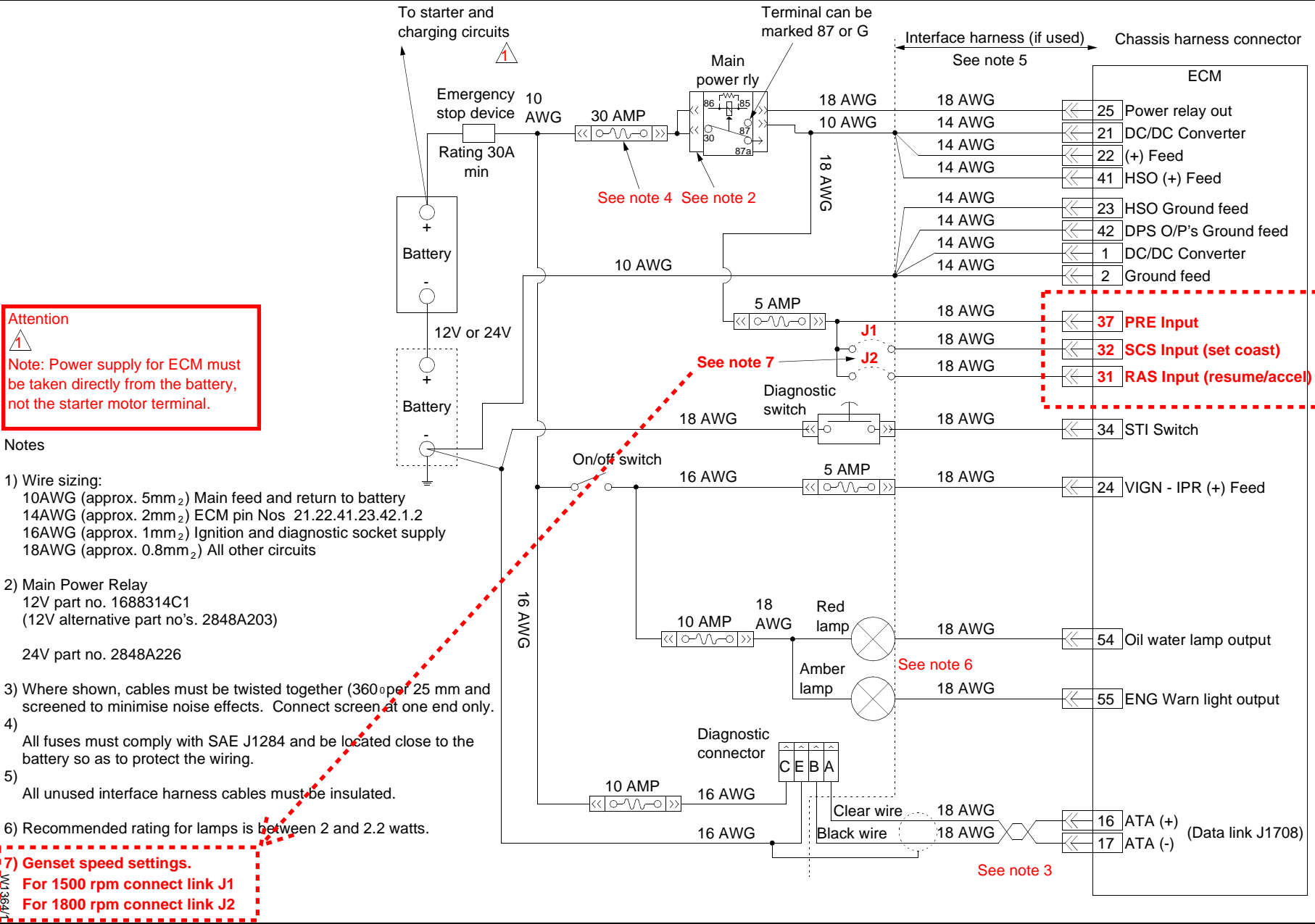
Attention
 Note: Power supply for ECM must be taken directly from the battery, not the starter motor terminal.

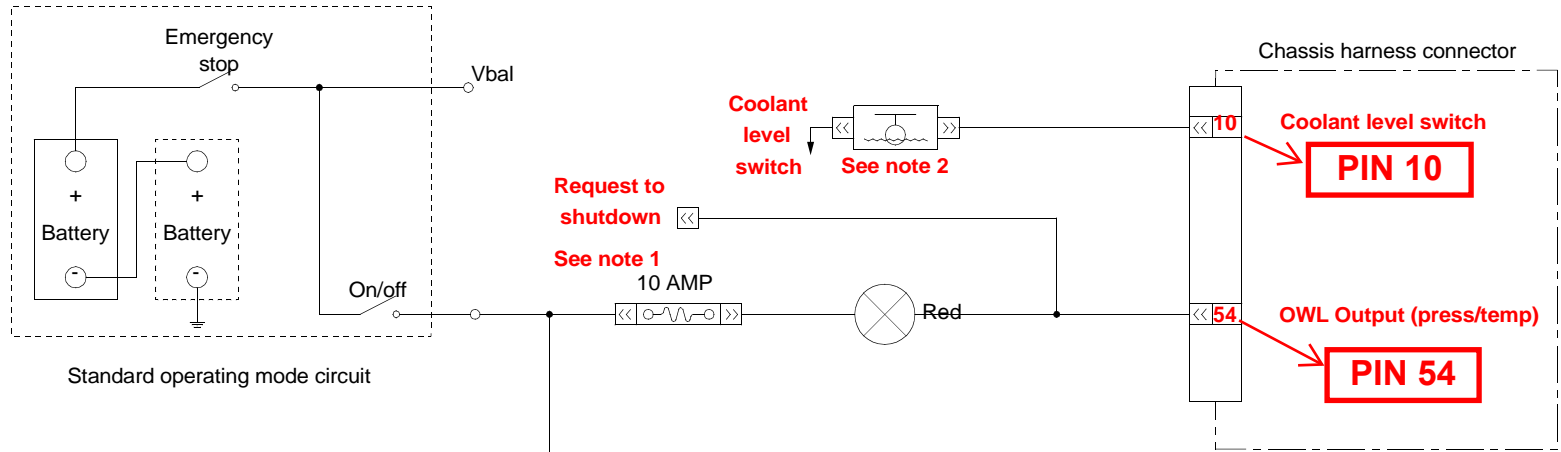
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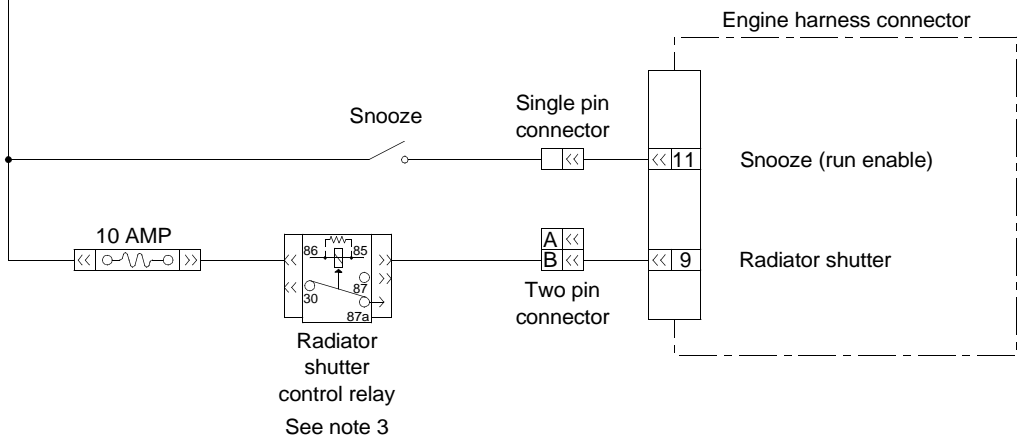






Additional notes

- 1) Maximum total current from OWL (54) output = 1 Amp (including lamp and 'request to shutdown' signal).
- 2) Coolant level sensor operation depends on EPN option selected
'normally closed (metal tank)'
'normally open (plastic tank)'.
- 3) Customers must specify the relay, the wiring and appropriate fuses for the radiator shutter control circuit.



Snooze (run enable) single pin connector:

Packard part #	Description
12065171.....	Mating connector
12065249.....	Secondary lock
12048159.....	Male terminal 18 - 16 AWG